



12-15-4

Page 1 of 3  
JFW

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/719,505	11/21/2003	In-Hwan Oh	24317/82901

Philip W. Woo  
SIDLEY AUSTIN BROWN & WOOD LLP  
Suite 5000  
555 California Street  
San Francisco, CA 94104-1715

CONFIRMATION NO. 3012  
FORMALITIES LETTER



\*OC000000014068291\*

Date Mailed: 10/14/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

12/16/2004 HYUONG1 00000010 501597 10719505

01 FC:1001 790.00 DA  
02 FC:1051 130.00 DA  
03 FC:1202 200.00 DA

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 790 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - Numbers, letters, and reference characters on the drawings must measure at least 0.32 cm (1/8 inch) in height. See Figure(s) 4.

The following item(s) appear to have been **omitted** from the application:

- Figure(s) 8 described in the specification.

I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, a copy of this Notice and a petition (and

\$130.00 petition fee (37 CFR 1.17(h)) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the USPTO.

II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the USPTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h)) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

Applicant is advised that generally the filing fee required for an application is the filing fee in effect on the filing date accorded the application and that payment of the requisite basic filing fee on a date later than the filing date of the application requires payment of a surcharge (37 CFR 1.16(e)). To avoid processing delays and payment of a surcharge, applicant should submit any balance due for the requisite filing fee based on the later filing date being requested when submitting the omitted items(s) and the petition (and petition fee) requesting the later filing date.

III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the application as deposited in the USPTO. **THIS TWO MONTH PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b).** In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the USPTO, and original application papers (i.e., the original disclosure of the invention) will include only those application papers present in the USPTO on the date of deposit.

In the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the references in the specification to the drawing figures to correspond with any relabeled drawing figures, is required. A copy of the drawing figures showing the proposed changes in red ink should accompany with any drawing changes. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$72** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is **\$992** for a Large Entity

- **\$790** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$72**
  - **\$72** for 4 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents

P.O. Box 1450  
Alexandria VA 22313-1450

---

*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: In-Hwan Oh  
Title: Power Converter Having Improved Control  
Application No.: 10/719,505  
Filing Date: November 21, 2003  
Examiner: Unknown  
Group Art Unit: 2838  
Confirmation No.: 3012  
Law Office: Sidley Austin Brown & Wood LLP  
Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

In response to the "Notice to File Missing Parts of Non-Provisional Application – Filing Date Granted" mailed by the United States Patent and Trademark Office on October 14, 2004, the following documents are enclosed to complete the filing of the above-identified patent application:

1. Replacement Drawings;
2. Preliminary Amendment; and
3. A copy of Notice to File Missing Parts of Non-Provisional Application – Filing Date Granted.

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit account No. 50-1597.

1.	Statutory basic filing fee:	\$ 842.00
2.	Surcharge for filing declaration on a date later than the filing date of the application:	\$ 130.00
3.	<b>TOTAL FEES:</b>	<b>\$ 972.00</b>

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. 50-1597. This paper is being submitted in duplicate to facilitate Deposit Account payment.

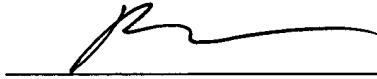
It is hereby respectfully submitted that the enclosed documents complete the filing of the above patent application and justify the filing date of **November 21, 2003**. Please telephone the undersigned at (415) 772-1200, if there are any questions.

EXPRESS MAIL LABEL NO.:

Respectfully submitted,

EV 611 226 046 US

By:



Philip W. Woo  
Attorney of Record  
Reg. No. 39,880  
PWW/rp

December 14, 2004

SIDLEY AUSTIN BROWN & WOOD LLP  
555 California Street, Suite 2000  
San Francisco, CA 94104-1715



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: In-Hwan Oh  
Title: Power Converter Having Improved Control  
Application No.: 10/719,505  
Filing Date: November 21, 2003  
Examiner: Unknown  
Group Art Unit: 2838  
Confirmation No.: 3012  
Law Office: Sidley Austin Brown & Wood LLP  
Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

Applicant submits eight (8) sheets of replacement drawings, consisting of Figures 1, 2A, 2B, 2C, 2D, 3, 4, 5, 6, and 7, in the above-named application. If there are any questions regarding these drawings, please call the undersigned at (415) 772-1200.

EXPRESS MAIL LABEL NO.:

Respectfully submitted,

EV 611 226 046 US

By:

A handwritten signature in black ink, appearing to read "Philip W. Woo".

Philip W. Woo  
Attorney of Record  
Registration No. 39,880  
PWW/rp

December 14, 2004

SIDLEY AUSTIN BROWN & WOOD LLP  
555 California Street, Suite 2000  
San Francisco, CA 94104-1715